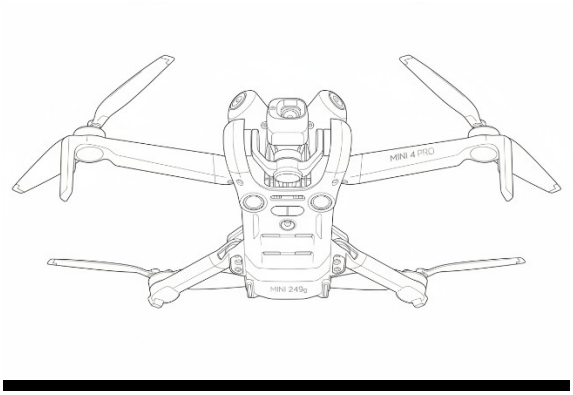
DJI Mavic 4 Pro



IDENTITY & DESIGNATION

Official Designation: DJI Mavic 4 Pro
Manufacturer: SZ DJI Technology Co., Ltd. (Shenzhen, China)
Country of Origin: China
Year Introduced: 2025

CLASSIFICATION

Domain: Air
Category: Consumer / Prosumer (Professional tier)
Sub-Category: Mid-Size Quadcopter — Cinema/Photography
Terminal Mode: Recoverable

PHYSICAL SPECIFICATIONS

Weight: ~1,100 g [VERIFY exact weight]
Payload Capacity: None (integrated triple camera)
Airframe Material: Magnesium alloy / plastic composite

PROPULSION & PERFORMANCE

Propulsion Type: Electric — 4x brushless motors

Max Flight Time: ~43–46 minutes
Max Speed: 75 km/h
Max Range: 20+ km (FCC)

GUIDANCE, NAVIGATION & CONTROL

Control Link: DJI O4 — RF digital, 2.4/5.8 GHz
Navigation: GPS / GLONASS / Galileo / BeiDou
Obstacle Avoidance: Omnidirectional (APAS 6.0 or later)
Autonomy Level: Semi-autonomous
Fiber-Optic Option: No

SENSORS & PAYLOADS

Primary Sensor: Triple-camera Hasselblad system
Lenses: Wide, medium telephoto, and long telephoto
Video: Up to 8K capability; 4K/120fps
Image Sensor: 1-inch or larger CMOS per lens
Dynamic Range: Extended HDR with Hasselblad Natural Colour Solution

COUNTERMEASURE VULNERABILITY PROFILE

RF Jamming: HIGH — Same RF dependency as all DJI platforms
GPS Spoofing: HIGH
EMI/EMC Attack: VERY HIGH — Consumer electronics
Microwave Attack: VERY HIGH
Laser DEW: HIGH — Slightly more mass but still plastic/composite
Overall Vulnerability Rating: VERY HIGH

CRUISE MISSILE CONVERGENCE NOTES

The Mavic 4 Pro’s triple-camera system with telephoto lenses approaches the multi-sensor targeting capability of cruise missile seekers. Its Hasselblad color science and high-resolution imaging make it an exceptional ISR platform when modified. However, it shares the same fundamental vulnerability as all consumer DJI platforms: no hardening, full RF/GPS dependency.

OPERATIONAL HISTORY

DJI’s 2025–2026 flagship prosumer platform. Successor to Mavic 3 Pro series. Primary use: professional aerial photography and cinematography. Modified versions used in conflict zones for high-

resolution ISR. The triple-camera system provides zoom capability useful for standoff observation.

SOURCES & CROSS-REFERENCES

Manufacturer: https://www.dji.com
Cross-Ref: See: DJI Air 3S (mid-range), DJI Matrice 350 RTK (enterprise/industrial)